Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/01/2017 10:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125021	0	1.58	124938	1.55
Blue	F	SSC	125000	124014	-1	2.93	124312	2.70
Blue	E	FITC	23795	22796	-5	2.52	1013	10.74
Blue	D	PE	29673	29023	-3	2.13	1044	10.05
Blue	B	PerCP-Cy5-5	48943	47962	-3	3.59	1374	17.58
Blue	A	PE-Cy7	44112	43150	-3	5.32	663	37.29
Red	C	APC	54273	53076	-3	2.68	3070	9.24
Red	A	APC-Cy7	54945	53888	-2	2.67	1118	11.12
Violet	B	V450	15756	15077	-5	3.84	722	9.00
Violet	A	V500	62569	60993	-3	3.57	2702	6.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19850	3.36	613	-1	N/A	N/A	Pass
Blue	F	SSC	61392	1.58	547	1	N/A	N/A	Pass
Blue	E	FITC	114	39.65	549	-1	0.0187	132	Pass
Blue	D	PE	229	30.17	547	1	0.1573	278	Pass
Blue	B	PerCP-Cy5-5	215	47.89	638	-1	0.0094	141	Pass
Blue	A	PE-Cy7	70	125.88	694	-5	0.0108	13	Pass
Red	C	APC	360	27.71	597	-3	0.0215	123	Pass
Red	A	APC-Cy7	122	41.34	576	-8	0.0057	1863	Pass
Violet	B	V450	87	43.87	473	1	0.0474	2221	Pass
Violet	A	V500	196	24.26	501	2	0.0141	743	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.31	-30.82	0.90
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	17.77	13.27 - 19.91	N/A	N/A	30.82	31.35	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9927

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments